

Michael S Brown

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

16,397
citations

34
h-index

51
g-index

51
ext. papers

17,962
ext. citations

22.1
avg, IF

6.75
L-index

#	Paper	IF	Citations
47	Regulation of the mevalonate pathway. <i>Nature</i> , 1990 , 343, 425-30	50.4	4457
46	The SREBP pathway: regulation of cholesterol metabolism by proteolysis of a membrane-bound transcription factor. <i>Cell</i> , 1997 , 89, 331-40	56.2	2961
45	Binding and Degradation of Low Density Lipoproteins by Cultured Human Fibroblasts. <i>Journal of Biological Chemistry</i> , 1974 , 249, 5153-5162	5.4	976
44	Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. <i>Human Mutation</i> , 1992 , 1, 445-66	4.7	919
43	SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. <i>Cell</i> , 1994 , 77, 53-62	56.2	863
42	Selective versus total insulin resistance: a pathogenic paradox. <i>Cell Metabolism</i> , 2008 , 7, 95-6	24.6	660
41	A century of cholesterol and coronaries: from plaques to genes to statins. <i>Cell</i> , 2015 , 161, 161-172	56.2	564
40	Structure of N-terminal domain of NPC1 reveals distinct subdomains for binding and transfer of cholesterol. <i>Cell</i> , 2009 , 137, 1213-24	56.2	477
39	Sterol-regulated transport of SREBPs from endoplasmic reticulum to Golgi: oxysterols block transport by binding to Insig. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6511-8	11.5	416
38	Acid-dependent ligand dissociation and recycling of LDL receptor mediated by growth factor homology region. <i>Nature</i> , 1987 , 326, 760-5	50.4	364
37	Switch-like control of SREBP-2 transport triggered by small changes in ER cholesterol: a delicate balance. <i>Cell Metabolism</i> , 2008 , 8, 512-21	24.6	359
36	Cholesterol feedback: from Schoenheimer's bottle to Scap's MELADL. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S15-27	6.3	334
35	NPC2 facilitates bidirectional transfer of cholesterol between NPC1 and lipid bilayers, a step in cholesterol egress from lysosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15287-92	11.5	331
34	Nucleotide sequence of 3-hydroxy-3-methyl-glutaryl coenzyme A reductase, a glycoprotein of endoplasmic reticulum. <i>Nature</i> , 1984 , 308, 613-7	50.4	256
33	Molecular medicine. The cholesterol quartet. <i>Science</i> , 2001 , 292, 1310-2	33.3	194
32	Three pools of plasma membrane cholesterol and their relation to cholesterol homeostasis. <i>ELife</i> , 2014 , 3,	8.9	192
31	Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection. <i>ELife</i> , 2015 , 4,	8.9	184

30	Retrospective on Cholesterol Homeostasis: The Central Role of Scap. <i>Annual Review of Biochemistry</i> , 2018 , 87, 783-807	29.1	180
29	Low density lipoprotein receptors in bovine adrenal cortex. II. Low density lipoprotein binding to membranes prepared from fresh tissue. <i>Endocrinology</i> , 1979 , 104, 610-6	4.8	159
28	Biomedicine. Lowering LDL--not only how low, but how long?. <i>Science</i> , 2006 , 311, 1721-3	33.3	154
27	Cyclodextrin overcomes deficient lysosome-to-endoplasmic reticulum transport of cholesterol in Niemann-Pick type C cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19316-21	11.5	127
26	Induced ablation of ghrelin cells in adult mice does not decrease food intake, body weight, or response to high-fat diet. <i>Cell Metabolism</i> , 2014 , 20, 54-60	24.6	116
25	Receptor-mediated uptake of lipoprotein-cholesterol and its utilization for steroid synthesis in the adrenal cortex. <i>Endocrine Reviews</i> , 1979 , 35, 215-57		94
24	Use of mutant 125I-perfringolysin O to probe transport and organization of cholesterol in membranes of animal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10580-5	11.5	92
23	Reduced autophagy in livers of fasted, fat-depleted, ghrelin-deficient mice: reversal by growth hormone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1226-31	11.5	56
22	Triazoles inhibit cholesterol export from lysosomes by binding to NPC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 89-94	11.5	43
21	A Receptor-Mediated Pathway for Cholesterol Homeostasis (Nobel Lecture). <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 583-602		38
20	Insulin induction of SREBP-1c in rodent liver requires LXRE/EBP1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8182-7	11.5	37
19	Medicine. HDL miR-ed down by SREBP introns. <i>Science</i> , 2010 , 328, 1495-6	33.3	36
18	Gene therapy for cholesterol. <i>Nature Genetics</i> , 1994 , 7, 349-50	36.3	34
17	Last step in the path of LDL cholesterol from lysosome to plasma membrane to ER is governed by phosphatidylserine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18521-18529	11.5	34
16	Cholesterol-induced conformational changes in the sterol-sensing domain of the Scap protein suggest feedback mechanism to control cholesterol synthesis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 8729-8737	5.4	24
15	Growth hormone acts on liver to stimulate autophagy, support glucose production, and preserve blood glucose in chronically starved mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7449-7454	11.5	23
14	Point mutation in luminal loop 7 of Scap protein blocks interaction with loop 1 and abolishes movement to Golgi. <i>Journal of Biological Chemistry</i> , 2013 , 288, 14059-14067	5.4	22
13	Lysosomal cholesterol export reconstituted from fragments of Niemann-Pick C1. <i>ELife</i> , 2018 , 7,	8.9	16

12	Familial hypercholesterolemia: a genetic receptor disease. <i>Hospital Practice (1995)</i> , 1985 , 20, 35-41, 45-62.2	9
11	BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. <i>ELife</i> , 2018 , 7,	8.9 7
10	Scientific side trips: six excursions from the beaten path. <i>Journal of Biological Chemistry</i> , 2012 , 287, 22418-25	9.7 5
9	The Making of a Physician-Scientist: 2000a. <i>Annals of the New York Academy of Sciences</i> , 1999 , 882, 247-266	6.6 5
8	Author response: Identification of NPC1 as the target of U18666A, an inhibitor of lysosomal cholesterol export and Ebola infection 2015 ,	4
7	Interplay between Asters/GRAMD1s and phosphatidylserine in intermembrane transport of LDL cholesterol.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5 3
6	Science over politics. <i>Science</i> , 1999 , 283, 1849-50	33.3 2
5	Presentation of the Kober Medal for 1999 to Jean D. Wilson physician-scientist exemplar. <i>Proceedings of the Association of American Physicians</i> , 1999 , 111, 469-79	1
4	Response : Battling Heart Disease. <i>Science</i> , 1996 , 273, 15-15	33.3
3	Cholesterol feedback: A tale of two membrane proteins and two sterol sensors. <i>FASEB Journal</i> , 2009 , 23, 95.1	0.9
2	Cholesterol Feedback: A Tale of Two Membrane Proteins and Two Sterol Sensors.. <i>FASEB Journal</i> , 2009 , 23, 95.2	0.9
1	The SREBP Pathway: Stadtman's Paradigm Applied to Cholesterol. <i>FASEB Journal</i> , 2011 , 25, 201.1	0.9